

Pharmaceutical Preparations, Except Biologicals: 2001

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SUMMARY OF FINDINGS

The total value of shipments for pharmaceutical preparations in the United States totaled \$90.7 billion in 2001, a 14.4-percent increase from \$79.3 billion in 2000. The leading product category was pharmaceutical preparations that act on the central nervous system and sense organs in humans, which increased 6.6 percent to \$19.7 billion in 2001, from \$18.5 billion in 2000.

The value of shipments for individual product categories in 2001 were: pharmaceutical preparations affecting neoplasm, endocrine

system, and metabolic diseases for human use totaled \$14.4 billion, a 47.5-percent increase from \$9.8 billion in 2000; pharmaceutical preparations acting on the central nervous system and sense organs for human use totaled \$19.7 billion, a 6.6-percent increase from \$18.5 billion in 2000; pharmaceutical preparations acting on the cardiovascular system for human use totaled \$9.7 billion, a 7.9-percent increase from \$9.0 billion in 2000; pharmaceutical preparations acting on the respiratory system for human use totaled \$11.7 billion, a 14.5 percent increase from \$10.2 billion in 2000; pharmaceutical preparations acting on the digestive or genitourinary system for human use totaled \$12.7 billion, a 25.9-percent increase from \$10.0 billion in 2000; pharmaceutical preparations acting on the skin for human use totaled \$2.7 billion, which is a 7.6-percent decrease from \$2.9 billion in 2000; vitamin, nutrient, and hematinic preparations for human use totaled \$6.1 billion, a 7.0-percent increase from \$5.7 billion in 2000; pharmaceutical preparations affecting parasitic and ineffective diseases for human use amounted \$11.2 billion, a 1.6-percent increase from \$11.0 billion in 2000; and pharmaceutical preparations for veterinary use amounted to \$2.5 billion, a 19.2-percent increase from \$2.1 billion in 2000.

For general CIR information, explanation of general terms and historical note, see the appendix.

Address inquiries concerning these data to Primary Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Luis A. Blanco, 301-457-4643.

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U S C E N S U S B U R E A U

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Economics and Statistics Administration
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Table 1. Value of Product Class Shipments of Pharmaceutical Preparations, Except Biologicals: 1997 to 2001
[In thousands of dollars]

Product code	Product description	2001	2000	1999	1998	1997
3254121000	Pharmaceutical preparations.....	90,673,846	79,261,643	70,417,329	65,711,779	57,418,629
3254124000	Pharmaceutical preparations affecting neoplasms, endocrine system, and metabolic diseases, for human use.....	14,426,585	r/ 9,783,996	7,987,700	7,633,235	5,465,948
3254127000	Pharmaceutical preparations acting on the central nervous system and sense organs, for human use.....	19,736,685	r/ 18,508,356	14,881,433	13,604,818	11,708,007
325412A000	Pharmaceutical preparations acting on the cardiovascular system, for human use.....	9,700,082	8,992,634	9,601,073	9,368,031	8,799,338
325412D000	Pharmaceutical preparations acting on the respiratory system, for human use.....	11,653,306	10,179,464	8,154,675	6,724,706	5,641,256
325412G000	Pharmaceutical preparations acting on the digestive or genito-urinary system, for human use.....	12,651,508	10,046,469	8,741,429	9,501,593	9,482,082
325412L000	Pharmaceutical preparations acting on the skin, for human use.....	2,716,731	2,941,278	2,797,712	2,244,969	1,867,102
325412P000	Vitamin, nutrient, and hematinic preparations, for human use.....	6,071,505	r/ 5,676,429	6,160,693	5,851,359	5,088,302
325412T000	Pharmaceutical preparations affecting parasitic and ineffective diseases, for human use.....	11,218,510	11,036,891	9,778,226	8,780,375	7,794,882
	Pharmaceutical preparations for veterinary use.....	2,498,534	r/ 2,096,126	2,314,388	2,002,693	1,571,712

r/Revised by 5 percent or more from previously published data.

Table 2. Value of Shipments of Pharmaceutical Preparations, Except Biologicals: 2001 and 2000
[In thousands of dollars]

Product code	Product description	2001				2000			
		Total	Prescription legend	Non-prescription	Bulk shipments 1/	Total	Prescription legend	Non-prescription	Bulk shipments 1/
325412	Pharmaceutical preparations (except biologicals).....	90,673,846	76,089,144	13,314,871	1,269,831	79,261,643	64,472,178	r/ 14,307,877	1,141,064
3254121000	Pharmaceutical preparations affecting neoplasms, endocrine system, and metabolic diseases, for human use.....	14,426,585	14,239,521	44,032	a/ 143,832	r/ 9,783,996	r/ 9,613,766	12,625	157,605
	Hormones and synthetic substitutes:								
	Corticoids:								
3254121011	Systemic.....	344,451	(D)	(D)	(D)	r/ 331,581	(D)	(D)	(D)
3254121016	Local and topical, including anti-infective combinations.....	337,507	296,554	40,953	-	428,527	420,757	7,770	-
3254121021	Androgens.....	(D)	(D)	-	(D)	(D)	(D)	-	(D)
3254121026	Estrogens.....	299,535	299,535	-	-	244,075	244,075	-	(D)
3254121031	Insulin and antidiabetic agents.....	2,403,187	2,403,187	-	(D)	2,090,790	2,090,790	-	(D)
3254121036	ACTH (corticotropin).....	(D)	(D)	-	-	(D)	(D)	-	-
3254121041	Oral contraceptive preparations.....	a/ 122,698	a/ 122,698	-	-	115,893	115,893	-	-
3254121046	Progestogens, excluding premenstrual tension preparations (see code 325412D085).....	(D)	(D)	-	(D)	(D)	(D)	-	(D)
3254121051	Sex hormone combinations, (except progestogen combinations).....	(D)	(D)	-	-	(D)	(D)	-	-
3254121056	Thyroid and antithyroid preparations, including iodides.....	(D)	(D)	-	-	21,577	(D)	(D)	-
3254121061	Anabolic agents.....	(D)	(D)	-	-	(D)	(D)	(D)	-
3254121066	Other hormone preparations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Antineoplastic agents:								
3254121071	Radioactive isotopes for internal use.....	(D)	(D)	-	-	59,014	59,014	-	-
3254121076	Specific antineoplastic agents.....	2,895,685	2,895,685	-	(D)	2,098,510	2,098,510	-	(D)
3254121081	Other pharmaceutical preparations affecting neoplasms, the endocrine system, and metabolic diseases for human use.....	6,357,237	(D)	(D)	108,219	r/ 4,107,536	(D)	(D)	101,005
3254124	Pharmaceutical preparations acting on the central nervous system and the sense organs, for human use.....	19,736,685	a/16,959,321	2,534,403	242,961	18,508,356	16,073,284	2,211,990	223,082
3254124011	Parasympathomimetic cholinergic drugs.....	(D)	(D)	-	(D)	17,113	17,113	-	(D)
3254124014	Skeletal muscle relaxants.....	258,276	258,276	-	(D)	212,703	212,703	-	(D)
	Internal analgesics and antipyretics:								
	Narcotic:								
3254124017	Opium and derivatives.....	572,487	572,487	-	(D)	r/ 473,630	r/ 473,630	-	(D)
3254124021	Synthetic narcotics.....	338,170	338,170	-	(D)	r/ 334,229	r/ 334,229	-	(D)
	Nonnarcotic:								
	Salicylates:								
3254124024	Aspirin (acetylsalicylic acid).....	293,962	(D)	(D)	(D)	275,647	(D)	(D)	(D)
3254124027	Other salicylates, such as sodium salicylate 2/.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
3254124031	Aspirin combinations.....	183,056	(D)	(D)	-	r/ 137,522	(D)	(D)	-
3254124034	Acetaminophen and combinations.....	492,108	a/ 69,155	422,953	28,968	475,643	35,992	439,651	80,584
3254124037	Antiarthritics (nonhormonal).....	2,901,192	2,570,097	331,095	31,171	2,664,637	2,347,218	317,419	29,981
3254124041	Other internal analgesics and antipyretics, including effervescent types and suppositories 2/.....	338,237	(D)	(D)	(D)	214,435	(D)	(D)	(D)
3254124044	Anticonvulsants (except phenobarbital).....	749,477	749,477	-	6,865	592,685	592,685	-	5,731
	Psychotherapeutic agents:								
3254124047	Antidepressants.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Tranquilizers:								
3254124051	Phenothiazine derivatives.....	(D)	(D)	-	(D)	(D)	(D)	-	-
3254124054	Other tranquilizers.....	77,805	77,805	-	-	81,798	81,798	-	-
3254124057	Other psychotherapeutic agents.....	1,446,471	1,446,471	-	(D)	1,662,511	1,662,511	-	(D)
	Central nervous system stimulants (respiratory and cerebral stimulants, including sympathomimetic agents employed mainly as CNS stimulants); excluding nondrug dietaries for weight control):								
3254124061	Amphetamines.....	(D)	(D)	-	-	(D)	(D)	-	-
3254124064	Anorexiants (except amphetamines).....	104,623	(D)	(D)	(D)	88,849	(D)	(D)	(D)
3254124067	Other CNS stimulants.....	527,851	(D)	(D)	(D)	r/ 214,212	(D)	(D)	(D)
	Sedatives and hypnotics:								
	Prescription:								
3254124071	Barbiturates.....	33,152	33,152	(X)	(D)	r/ 72,390	r/ 72,390	(X)	(D)
3254124074	Nonbarbiturates.....	(D)	(D)	(X)	-	(D)	(D)	(X)	(D)
	Nonprescription:								
3254124077	Sleep inducers.....	84,050	(X)	84,050	(D)	118,487	(X)	118,487	(D)
3254124081	Calming agents.....	(D)	(X)	(D)	-	(D)	(X)	(D)	-
	Anesthetics (except urinary tract anesthetics) and skin preparations used as antipruritics:								
3254124084	Local and topical.....	289,836	(D)	(D)	(D)	298,017	(D)	(D)	(D)
3254124087	General.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
	Eye and ear preparations, excluding anti-infectives, corticoids and antibacterials and antiseptics:								
3254124091	Mydriatics and miotics.....	(D)	(D)	-	-	(D)	(D)	-	-
3254124093	Contact lens solutions.....	533,002	-	533,002	(D)	529,104	-	529,104	(D)

Table 2. Value of Shipments of Pharmaceutical Preparations, Except Biologicals: 2001 and 2000
[In thousands of dollars]

Product code	Product description	2001				2000			
		Total	Prescription legend	Non-prescription	Bulk shipments 1/	Total	Prescription legend	Non-prescription	Bulk shipments 1/
3254124095	Other eye and ear preparations.....	654,036	(D)	(D)	-	485,496	(D)	(D)	-
3254124097	Other pharmaceutical preparations acting on the central nervous system and the sense organs for human use.....	3,028,161	(D)	(D)	(D)	r/ 2,747,277	(D)	(D)	(D)
3254127	Pharmaceutical preparations acting on the cardiovascular system, for human use.....	9,700,082	(D)	(D)	(D)	8,992,634	(D)	(D)	(D)
3254127011	Anticoagulants.....	733,724	(D)	(D)	(D)	626,471	(D)	(D)	(D)
3254127016	Hemostatics.....	(D)	(D)	-	-	(D)	(D)	-	-
3254127021	Digitalis preparations.....	(D)	(D)	-	(D)	(D)	(D)	-	(D)
	Hypotensives:								
3254127026	Rauwolfia-alkaloid preparations.....	b/ 6,086	b/ 6,086	-	-	9,283	9,283	-	-
3254127031	Beta receptor blocking agents.....	157,929	157,929	-	-	142,831	142,831	-	-
3254127036	Other hypotensives.....	372,135	372,135	-	(D)	268,129	268,129	-	(D)
	Vasodilators:								
3254127041	Coronary.....	673,525	673,525	-	(D)	371,661	371,661	-	(D)
3254127046	Peripheral.....	46,392	46,392	-	-	52,179	52,179	-	-
3254127051	Antiarrhythmics, such as propanolol and quinidine.....	214,939	214,939	-	-	260,312	260,312	-	-
3254127056	Calcium channel blockers such as sioptin, calan, procordia, cardizem, adalat.....	707,793	707,793	-	(D)	695,044	695,044	-	(D)
3254127061	Ace inhibitors, such as vasotec, capoten, prinvil, and zestril.....	(D)	(D)	-	-	(D)	(D)	-	-
3254127066	Other pharmaceutical preparation, acting on the cardiovascular system, including vasopressors, and antiheparin agents for, human use.....	3,405,960	(D)	(D)	(D)	3,471,472	(D)	(D)	(D)
325412A	Pharmaceutical preparations acting on the respiratory system, for human use.....	11,653,306	a/ 9,644,910	1,927,317	a/ 81,079	10,179,464	7,320,010	2,782,459	76,995
325412A011	Antihistamines (except cold preparations and antiemetics).....	(D)	(D)	282,238	(D)	(D)	(D)	276,031	(D)
325412A016	Bronchial dilators, including antiasthmatics.....	2,352,387	2,333,095	19,292	(D)	r/ 1,288,244	r/ 1,263,672	24,572	(D)
	Cough and cold preparations (prescription):								
	Cough preparations and expectorants (containing antitussive or other ingredients intended primarily to treat cough only):								
325412A021	Narcotic.....	134,257	134,257	(X)	-	104,790	104,790	(X)	-
325412A026	Nonnarcotic.....	79,930	79,930	(X)	(D)	77,264	77,264	(X)	-
	Cold preparations containing combinations of the following ingredients, (but not antitussive): nasal decongestant, nasal decongestant, antihistamine, analgesic, bioflavonoid, or antibiotic:								
325412A031	Nasal decongestants.....	(D)	(D)	(X)	-	(D)	(D)	(X)	(D)
325412A036	Antihistamine cold preparations.....	(D)	(D)	(X)	-	(D)	(D)	(X)	-
325412A041	Other prescription cold preparations.....	20,849	20,849	(X)	(D)	21,320	21,320	(X)	(D)
325412A046	Cough and cold combinations (prescription).....	141,421	141,421	(X)	-	155,116	155,116	(X)	-
	Cough and cold preparations (non-prescription):								
	Decongestants:								
325412A051	Nasal sprays.....	105,807	(X)	105,807	-	114,289	(X)	114,289	-
325412A056	Nose drops.....	764	(X)	764	-	768	(X)	768	-
325412A061	Other decongestants.....	153,178	(X)	153,178	(D)	189,740	(X)	189,740	-
325412A066	Cough syrups.....	741,839	(X)	741,839	-	715,807	(X)	715,807	-
325412A071	Capsules and tablets.....	513,843	(X)	513,843	b/ 25,353	1,351,358	(X)	1,351,358	24,085
325412A076	Lozenges.....	18,151	(X)	18,151	-	14,032	(X)	14,032	-
325412A081	Topical preparations.....	(D)	(X)	(D)	-	(D)	(X)	(D)	-
325412A086	Cough drops.....	(D)	(X)	(D)	-	(D)	(X)	(D)	-
325412A091	Other nonprescription cough and cold preparations.....	53,051	(X)	53,051	(D)	53,855	(X)	53,855	(D)
325412A094	Beta agonists such as proventil and ventolin.....	1,021,212	(D)	(D)	(D)	936,243	(D)	(D)	(D)
325412A097	Other pharmaceutical preparations acting on the respiratory system, for human use.....	3,628,547	3,622,153	6,394	(D)	r/ 2,893,019	r/ 2,887,233	5,786	(D)
325412D	Pharmaceutical preparations acting on the digestive or the genito-urinary systems, for human use.....	12,651,508	11,137,449	1,379,959	134,100	10,046,469	8,680,376	r/ 1,261,893	104,200
	Digestive system preparations:								
325412D011	Enzymes.....	(D)	(D)	(D)	(D)	388,519	(D)	(D)	(D)
325412D014	Antacids, including acid neutralizing products with coating functions, but excluding effervescent salicylate products classified as analgesics.....	577,114	413,896	535,718	(D)	r/ 539,679	11,712	r/ 527,967	(D)
325412D017	Antidiarrheals.....	536,567	(D)	(D)	(D)	384,564	(D)	(D)	(D)
	Laxatives:								
325412D021	Irritants.....	78,195	(D)	(D)	(D)	81,907	(D)	(D)	(D)

Continued

Table 2. Value of Shipments of Pharmaceutical Preparations, Except Biologicals: 2001 and 2000
[In thousands of dollars]

Product code	Product description	2001				2000			
		Total	Prescription legend	Non-prescription	Bulk shipments 1/	Total	Prescription legend	Non-prescription	Bulk shipments 1/
325412D024	Bulk producing.....	(D)	-	(D)	(D)	(D)	5,670	(D)	(D)
325412D027	Fecal softeners.....	58,095	(D)	(D)	(D)	38,467	(D)	(D)	(D)
325412D031	Emollients.....	(D)	-	(D)	(D)	(D)	-	(D)	(D)
325412D034	Saline.....	(D)	-	(D)	-	(D)	-	(D)	-
325412D037	Enema specialties.....	40,131	(D)	(D)	(D)	39,642	(D)	(D)	(D)
325412D041	Digestants.....	(D)	-	(D)	(D)	(D)	-	(D)	(D)
325412D044	Bile therapy preparations, including bile products, choleretics, and cholagogues.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-
325412D047	Antinauseants and motion sickness remedies (antiemetics), including antihistaminic antiemetic preparations.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
325412D051	Lipotropics and cholesterol reducers.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
325412D054	Diet aids containing local anesthetics such as benzocaine.....	(D)	(D)	-	(D)	7,056	(D)	(D)	(D)
	Antispasmodics and anticholinergics:								
325412D057	Synthetics.....	25,656	25,656	-	-	21,413	21,413	-	-
325412D061	Ataractic combinations.....	-	-	-	-	-	-	-	-
325412D064	Belladonna and derivatives.....	(D)	(D)	-	(D)	(D)	(D)	-	(D)
325412D067	H2 blocking agents such as zantac, tagamet, carafate and pepcid.....	1,654,668	1,592,649	62,019	-	1,660,555	1,635,606	24,949	-
325412D071	Other antispasmodics and anticholinergics.....	32,814	(D)	(D)	-	25,309	(D)	(D)	-
325412D074	Other digestive system preparations, including emetics.....	(D)	(D)	(D)	(D)	70,499	(D)	(D)	(D)
	Genito-urinary preparations:								
325412D077	Urinary antibacterials and antiseptics.....	215,729	214,263	1,466	(D)	162,820	161,637 r/	1,183	(D)
	Diuretics, excluding aminophylline, xanthine, and rauwolfia-diuretic combinations (see cardiovascular preparations):								
325412D081	Thiazides and related agents.....	68,213	68,213	-	-	r/ 44,856	r/ 44,856	-	-
325412D084	Other diuretics.....	122,089	(D)	(D)	(D)	118,001	(D)	(D)	(D)
325412D087	Oxytocics.....	55,072	55,072	-	-	r/ 49,606	r/ 49,606	-	-
325412D091	Contraceptive agents (except oral contraceptives; i.e., aerosols, jels, sponges, and creams).....	(D)	(D)	(D)	-	(D)	(D)	(D)	-
325412D093	Premenstrual tension preparations.....	(D)	-	(D)	-	(D)	-	(D)	-
325412D095	Vaginal cleaners.....	(D)	(D)	(D)	-	(D)	(D)	(D)	-
325412D097	Other pharmaceutical preparations acting on the genito-urinary system, including urinary tract anesthetics, for human use.....	1,522,242	1,452,406	65,613	4,223 r/	1,129,250	r/ 1,075,183 r/	49,402	4,665
325412G	Pharmaceutical preparations acting on the skin, for human use.....	2,716,731	(D)	(D)	(D)	2,941,278	(D)	(D)	(D)
	Dermatological preparations:								
325412G011	Emollients and protectives, including burn remedies and ointment bases.....	546,939	(D)	(D)	(D)	659,597	(D)	(D)	(D)
325412G016	Antipruritics and local anesthetic skin preparations.....	(D)	(D)	(D)	(D)	179,951	(D)	(D)	(D)
325412G021	Coal tar, sulfur and resorcinol preparations.....	a/ 21,410	(D)	(D)	-	r/ 22,056	(D)	(D)	-
325412G026	Antiacne preparations.....	479,664	(D)	(D)	(D)	r/ 446,348	(D)	(D)	(D)
325412G031	Antidandruff and antiseborrheic preparations (except dandruff shampoos).....	26,692	(D)	(D)	-	18,453	(D)	(D)	-
325412G036	Other dermatological preparations.....	297,691	(D)	(D)	(D)	333,552	(D)	(D)	(D)
325412G041	Hemorrhoidal preparations.....	104,899	(D)	(D)	-	117,172	(D)	(D)	-
	External analgesics and counterirritants:								
325412G046	Ointments, jellies, pastes, creams, cerates, and salves.....	363,223	(D)	(D)	-	405,333	(D)	(D)	(D)
325412G051	Liquid, excluding rubbing alcohol, but including liniments.....	23,995	-	23,995	-	23,145	-	23,145	-
325412G056	Rubbing alcohol.....	a/ 31,509	(D)	(D)	-	25,441	(D)	(D)	-
325412G061	Other external analgesics and counterirritants.....	(D)	(D)	(D)	(D)	88,388	(D)	(D)	(D)
325412G066	Other pharmaceutical preparations acting on the skin, for human use.....	604,744	(D)	(D)	-	r/ 621,842	r/ 573,090	48,752	-
325412L	Vitamin, nutrient, and hematinic preparations, for human use.....	6,071,505	2,001,883	3,730,324	b/ 339,298	r/ 5,676,429	r/ 1,506,670	3,873,269	296,490
	Vitamins:								
325412L011	Multivitamins, plain and with minerals, (except B complex vitamins and fish liver oils).....	1,813,837	27,806	1,786,031	a/ 41,129	r/ 1,909,922	12,542 r/	1,897,380	41,594
325412L016	Pediatric vitamin preparations (drops, suspensions and chewable tablets).....	b/ 131,351	(D)	(D)	806	127,486	(D)	(D)	724
325412L021	Prenatal vitamin preparations.....	51,770	(D)	(D)	(D)	40,923	(D)	(D)	(D)
325412L026	B complex preparations.....	144,775	4,315	140,460	a/ 5,777	154,280	4,122	150,158	5,303
325412L031	Fluoride preparations.....	3,456	(D)	(D)	-	3,703	(D)	(D)	-
325412L036	All other vitamin preparations.....	a/ 851,808	(D)	(D)	(D)	721,110	(D)	(D)	(D)
325412L041	Fish liver oils (cod, etc.).....	43,912	(D)	(D)	(D)	40,063	(D)	(D)	(D)
325412L046	Nutrients, excluding therapeutic dietary foods and infant formulas.....	318,578	32,070	286,508	-	r/ 352,606	24,717 r/	327,889	(D)
325412L051	Tonics and alteratives.....	a/ 10,049	(D)	(D)	-	r/ 14,216	(D)	(D)	-

Continued

Table 2. Value of Shipments of Pharmaceutical Preparations, Except Biologicals: 2001 and 2000
[In thousands of dollars]

Product code	Product description	2001				2000			
		Total	Prescription legend	Non-prescription	Bulk shipments 1/	Total	Prescription legend	Non-prescription	Bulk shipments 1/
	Hematinics:								
	With B12:								
325412L056	Oral.....	23,203	21,885	1,318	-	26,991	25,169	1,822	281
325412L061	Parenteral.....	(D)	(D)	-	-	(D)	(D)	-	-
	Other hematinics:								
325412L066	Oral.....	27,231	(D)	(D)	(D)	18,989	(D)	(D)	(D)
325412L071	Parenteral.....	(D)	(D)	-	-	(D)	(D)	-	-
325412L076	Hospital solutions, including dextran, etc., but excluding biologicals such as blood plasma.....	(D)	(D)	(D)	-	(D)	(D)	(D)	-
325412L081	Other vitamin, nutrient, and hematinic preparations, for human use.....	975,004	(D)	(D)	64,409	r/ 940,458	r/ 332,966	r/ 607,492	39,781
325412P	Pharmaceutical preparations affecting parasitic and infective diseases, for human use.....	11,218,510	10,077,407	1,095,376	a/ 45,727	11,036,891	9,586,357	1,382,249	68,285
	Anti-infective agents, excluding corticoid anti-infective combinations (see product code 325412I015):								
325412P011	Amebicides and trichomonocides.....	30,420	30,420	-	-	11,686	11,686	-	-
325412P014	Anthelmintics.....	716	(D)	(D)	-	6,348	(D)	(D)	-
	Systemic antibiotic preparations:								
	Broad and medium spectrum (single or in combinations with other antibiotics):								
325412P017	Tetracyclines, including chlortetracycline and congeners.....	89,267	89,267	-	-	102,261	102,261	-	-
325412P021	Cephalosporins, such as cefamandolene and cephalixin.....	1,140,742	1,140,742	-	-	r/ 1,632,102	r/ 1,632,102	-	(D)
325412P024	Erythromycins, such as erythromycin ethylsuccinate and erythromycin stearate.....	52,722	52,722	-	-	56,603	56,603	-	-
	Penicillins (single):								
	Semisynthetic penicillins, such as amoxicillins, and ampicillin:								
325412P027	Injectable.....	(D)	(D)	-	-	(D)	(D)	-	-
325412P031	Other forms.....	(D)	(D)	-	-	(D)	(D)	-	-
	Other penicillins (except semisynthetic) such as penicillin V and penicillin G:								
325412P034	Injectable.....	(D)	(D)	-	-	(D)	(D)	-	-
325412P037	Other forms.....	(D)	(D)	-	-	(D)	(D)	-	-
325412P041	Other broad and medium spectrum antibiotics (except sulfa-antibiotic combinations).....	1,106,969	(D)	(D)	-	975,743	(D)	(D)	-
325412P044	Antibiotics in combination with sulfonamides.....	(D)	(D)	-	-	(D)	(D)	-	-
325412P047	Other systemic antibiotic preparations, including narrow-spectrum antibiotics and streptomycins.....	102,152	102,152	-	(D)	96,285	96,285	-	(D)
325412P051	Topical antibiotic preparations.....	191,615	(D)	(D)	(D)	118,075	(D)	(D)	(D)
	Tuberculostatic agents:								
325412P054	Isoniazid (isonicotinic acid hydrazide) preparations.....	3,446	3,446	-	-	4,753	4,753	-	-
325412P057	Other antituberculars.....	(D)	(D)	-	-	31,389	31,389	-	-
325412P061	Antimalarials (plasmodicides).....	43,308	(D)	(D)	-	30,396	(D)	(D)	-
325412P064	Sulfonamides (except antibiotic sulfonamide combinations).....	27,856	27,856	-	-	60,523	60,523	-	-
325412P067	Antifungal preparations.....	748,866	(D)	(D)	-	697,926	(D)	(D)	-
325412P071	Antivirals, systemic, such as zovirax, and retrovir.....	2,908,817	(D)	(D)	(D)	2,836,360	(D)	(D)	(D)
325412P074	Other anti-infective agents.....	(D)	59,565	(D)	(D)	(D)	79,262	(D)	(D)
	Antibacterials and antiseptics:								
325412P077	General.....	382,538	(D)	(D)	5,526	130,451	(D)	(D)	(D)
325412P081	Mouth and throat preparations.....	(D)	4,234	(D)	(D)	(D)	9,670	(D)	-
325412P084	Other pharmaceutical preparations affecting parasitic and infective diseases, for human use.....	380,366	(D)	(D)	-	902,485	(D)	(D)	-
325412T	Pharmaceutical preparations for veterinary use.....	2,498,534	1,312,189	1,103,744	82,601	r/ 2,096,126	r/ 999,688	1,057,309	39,129
325412T011	Anesthetics.....	(D)	(D)	(D)	-	(D)	(D)	(D)	-
325412T016	Anthelmintics.....	297,805	231,926	65,879	(D)	r/ 243,799	r/ 189,137	r/ 54,662	(D)
	Antibiotics:								
325412T021	Tetracyclines.....	27,182	(D)	(D)	(D)	32,469	(D)	(D)	(D)
325412T026	Penicillins.....	39,888	(D)	(D)	(D)	47,205	(D)	(D)	(D)
325412T031	Other antibiotics.....	378,699	251,867	126,832	(D)	246,302	111,754	134,548	(D)
325412T036	Antiseptics, wound dressings and fungicides..	50,341	21,330	29,011	(D)	35,912	940	34,972	(D)
325412T041	Hematinics 3/.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
325412T046	Hemostatics 3/.....	8,447	(D)	(D)	-	7,487	(D)	(D)	-
	Hormones:								
325412T051	Insulin preparations.....	-	-	-	-	-	-	-	-
325412T056	ACTH (corticotropin) preparations.....	(D)	(D)	(D)	-	(D)	(D)	(D)	-
325412T061	Other hormone preparations.....	(D)	-	(D)	-	90,191	(D)	(D)	-
325412T066	Intravenous solutions and electrolytes.....	(D)	-	(D)	-	10,805	(D)	(D)	-
325412T071	Nitrofurans.....	(D)	-	(D)	(D)	(D)	-	(D)	(D)

Continued

Table 2. Value of Shipments of Pharmaceutical Preparations, Except Biologicals: 2001 and 2000
[In thousands of dollars]

Product code	Product description	2001				2000			
		Total	Prescription legend	Non-prescription	Bulk shipments 1/	Total	Prescription legend	Non-prescription	Bulk shipments 1/
325412T076	Nutrients and tonics.....	(D)	(D)	996	(D)	(D)	(D)	5,434	(D)
325412T081	Parasiticides, external.....	201,060	(D)	(D)	(D)	r/ 233,212	(D)	(D)	(D)
325412T086	Sulfonamides.....	10,922	(D)	(D)	-	11,523	(D)	(D)	(D)
325412T091	Tranquilizers and ataractics.....	23,548	(D)	(D)	-	22,277	(D)	(D)	-
325412T094	Vitamins and minerals.....	84,779	3,529	81,250	(D)	105,592	3,769	101,823	(D)
325412T097	Other pharmaceutical preparations for veterinary use.....	1,083,017	567,378	515,639	(D)	925,926	527,425	398,501	2,446

- Represents zero. D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.
X Not applicable.

1/Data for "Bulk shipments" are excluded from all horizontal ten-digit product detail totals; however, these data are included in all seven-digit product code and six-digit industry level totals. Since bulk shipments are typically reported by a small number of producers, and often must be suppressed, inclusion of bulk shipments in all horizontal totals would require the suppression of additional detail.

2/Product code 3254124027 is combined with product code 3254124041 to avoid disclosing data for individual companies.

3/Product code 325412T041 is combined with product code 325412T046 to avoid disclosing data for individual companies.

Note: Percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item is estimated. b/26 to 50 percent of this item is estimated.
c/Over 50 percent of this item is estimated.

Table 3. Domestic Value of Shipments, Exports, Imports, and Apparent Consumption of Pharmaceutical Preparations, Except Biologicals: 2001 and 2000
[Thousands of dollars]

Product code	Product description	Manu- facturers' shipments (value f.o.b. plant)	Exports of domestic merchan- dise 1/	Percent exports to manu- facturers' shipments	Imports for consump- tion 2/ (value)	Apparent consump- tion 3/ (value)	Percent imports to apparent consump- tion
2001							
	Pharmaceutical preparations.....	90,673,846	6,283,386	6.9	8,898,283	93,288,743	9.5
3254121000	Pharmaceutical preparations affecting neoplasms, endocrine system, and metabolic diseases, for human use.....	14,426,585	1,419,234	9.8	2,173,270	15,180,621	14.3
3254124000	Pharmaceutical preparations acting on the central nervous system and sense organs, for human use.....	19,736,685	1,529,078	7.7	1,328,285	19,535,892	6.8
3254127000	Pharmaceutical preparations acting on the cardiovascular system, for human use.....	9,700,082	484,159	5.0	1,750,629	10,966,552	16.0
325412A000	Pharmaceutical preparations acting on the respiratory system, for human use.....	11,653,306	267,312	2.3	574,629	11,960,623	4.8
325412D000	Pharmaceutical preparations acting on the digestive or genito-urinary system, for human use.....	12,651,508	522,490	4.1	1,441,006	13,570,024	10.6
325412G000	Pharmaceutical preparations acting on the skin, for human use.....	2,716,731	59,410	2.2	82,579	2,739,900	3.0
325412L000	Vitamin, nutrient, and hematinic preparations, for human use.....	6,071,505	291,669	4.8	38,007	5,817,843	0.7
325412P000	Pharmaceutical preparations affecting parasitic and infective diseases, for human use.....	11,218,510	1,514,560	13.5	1,104,814	10,808,764	10.2
325412T000	Pharmaceutical preparations for veterinary use.....	2,498,534	195,474	7.8	405,064	2,708,124	15.0
2000							
	Pharmaceutical preparations.....	79,261,643	4,593,727	5.8	5,945,812	80,613,728	7.4
3254121000	Pharmaceutical preparations affecting neoplasms, endocrine system, and metabolic diseases, for human use.....	9,783,996	1,128,432	11.5	1,632,933	10,288,497	15.9
3254124000	Pharmaceutical preparations acting on the central nervous system and sense organs, for human use.....	18,508,356	681,674	3.7	757,262	18,583,944	4.1
3254127000	Pharmaceutical preparations acting on the cardiovascular system, for human use.....	8,992,634	599,977	6.7	593,004	8,985,661	6.6
325412A000	Pharmaceutical preparations acting on the respiratory system, for human use.....	10,179,464	225,294	2.2	139,452	10,093,622	1.4
325412D000	Pharmaceutical preparations acting on the digestive or genito-urinary system, for human use.....	10,046,469	408,809	4.1	901,677	10,539,337	8.6
325412G000	Pharmaceutical preparations acting on the skin, for human use.....	2,941,278	63,861	2.2	145,029	3,022,446	4.8
325412L000	Vitamin, nutrient, and hematinic preparations, for human use.....	5,676,429	170,848	3.0	50,970	5,556,551	0.9
325412P000	Pharmaceutical preparations affecting parasitic and infective diseases, for human use.....	11,036,891	1,106,799	10.0	1,373,272	11,303,364	12.1
325412T000	Pharmaceutical preparations for veterinary use.....	2,096,126	208,033	9.9	352,214	2,240,307	15.7

1/Source: Census Bureau report EM 545, U.S. Exports.

2/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

3/Apparent consumption represents new domestic supply and is derived by subtracting exports from the total of manufacturers' shipments plus imports.

Table 4. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes, and HTSUSA Import Codes: 2001

Product code	Product description	Export code 1/	Import code 2/
3254121000	Pharmaceutical preparations affecting neoplasms, endocrine system, and metabolic disease.....	3003.31.0000, 3003.39.0000, 3003.40.0000, 3004.31.0000, 3004.32.0000, 3004.39.0050, 3004.90.9015	3003.31.0000, 3003.39.1000, 3003.39.5000, 3003.40.0000, 3004.31.0000, 3004.32.0000, 3004.39.0050, 3004.90.9015
3254124000	Pharmaceutical preparations acting on central nervous system and sense organs.....	3004.40.0020, 3004.40.0030, 3004.40.0040, 3004.90.9025, 3004.90.9030, 3004.90.9035, 3004.90.9040	3004.40.0020, 3004.40.0030, 3004.40.0040, 3004.90.9030, 3004.90.9035, 3004.90.9040
3254127000	Pharmaceutical preparations acting on cardiovascular system.....	3004.40.0010, 3004.90.9020	3004.40.0010, 3004.90.9020
325412A000	Pharmaceutical preparations acting on respiratory system.....	3004.40.0060, 3004.90.9075, 3004.90.9080, 3004.90.9085	3004.40.0060, 3004.90.9075, 3004.90.9080, 3004.90.9085
325412D000	Pharmaceutical preparations acting on digestive or genitro-urinary system.....	3004.90.9050, 3004.90.9055, 3004.90.9060, 3004.90.9065, 3004.90.9070, 3006.60.0000	3004.90.9050, 3004.90.9055, 3004.90.9060, 3004.90.9065, 3004.90.9070, 3006.60.0000
325412G000	Pharmaceutical preparations acting on skin.....	3004.40.0050, 3004.90.9045	3004.40.0050, 3004.90.9045
325412L000	Vitamin, nutrient and hematinic preparations.....	3004.50.4500, 3004.50.5010, 3004.50.5020, 3004.50.5030, 3004.50.5040	3004.50.1000, 3004.50.2000, 3004.50.3000, 3004.50.4000, 3004.50.5010, 3004.50.5020, 3004.50.5030, 3004.50.5040
325412P000	Pharmaceutical preparations affecting parasitic and infective disease.....	3003.10.0000, 3003.20.0000, 3004.10.1020, 3004.10.1045, 3004.10.5045, 3004.10.5060, 3004.20.0020, 3004.20.0030, 3004.20.0060, 3004.90.1000, 3004.90.9005, 3004.90.9010	3003.10.0000, 3003.20.0000, 3004.10.1020, 3004.10.1045, 3004.10.5045, 3004.10.5060, 3004.20.0020, 3004.20.0030, 3004.20.0060, 3004.90.1000, 3004.90.9005, 3004.90.9010
325412T000	Pharmaceutical preparations for veterinary use.....	3004.10.1010, 3004.10.5010, 3004.20.0010, 3004.39.0010, 3004.40.0005, 3004.50.5005, 3004.90.9003	3004.10.1010, 3004.10.5010, 3004.20.0010, 3004.39.0010, 3004.40.0005, 3004.50.5005, 3004.90.9003

1/Source: 2001 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized tariff Schedule of the United States, Annotated (2001).

Appendix.

General CIR Survey Information, Explanation of General Terms and Historical Note

GENERAL

The CIR program has been providing monthly, quarterly, and annual measures of industrial activity for many years. Since 1904, with its cotton and fats and oils surveys, the CIR program has formed an essential part of an integrated statistical system involving the quinquennial economic census, manufacturing sector, and the annual survey of manufactures. The CIR surveys, however, provide current statistics at a more detailed product level than either of the other two statistical programs.

The primary objective of the CIR program is to produce timely, accurate data on production and shipments of selected products. The data are used to satisfy economic policy needs and for market analysis, forecasting, and decision making in the private sector. The product-level data generated by these surveys are used extensively by individual firms, trade associations, and market analysts in planning or recommending marketing and legislative strategies, particularly if their industry is significantly affected by foreign trade. Although production and shipments information are the two most common data items collected, the CIR program collects other measures also such as inventories, orders, and consumption. These surveys measure manufacturing activity in important commodity areas such as textiles and apparel, chemicals, primary metals, computer and electronic components, industrial equipment, aerospace equipment, and consumer goods.

The CIR program uses a unified data collection, processing, and publication system. The U.S. Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broader-based annual survey of manufactures and the economic census, manufacturing sector. The manufacturing sector provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is too large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. The CIR program includes a group of mandatory and voluntary surveys. Typically the monthly and quarterly surveys are conducted on a voluntary basis. Those companies that choose not to respond to the voluntary surveys are required to submit a mandatory annual counterpart corresponding to the more frequent survey.

NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS), 1997

The adoption of the North American Industry Classification System (NAICS) in the 1997 Economic Census has had a major impact on the comparability of current and historic data. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those that left manufacturing are logging and portions of publishing. Prominent among the industries that came into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. The net effect of the classification changes are such that if the 1997 value of shipments data for all manufacturers were tabulated on an SIC basis, it would be approximately 3 percent higher.

Listed below are the NAICS sectors:

- 21 Mining
- 22 Utilities
- 23 Construction
- 31-33 Manufacturing
- 42 Wholesale Trade
- 44-45 Retail Trade
- 48-49 Transportation and Warehousing
- 51 Information
- 52 Finance and Insurance
- 53 Real Estate and Rental and Leasing
- 54 Professional, Scientific, and Technical Services
- 55 Management of Companies and Enterprises
- 56 Administrative and Support and Waste Management and Remediation Services
- 61 Educational Services
- 62 Health Care and Social Assistance
- 71 Arts, Entertainment, and Recreation
- 72 Accommodation and Food Services
- 81 Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

FUNDING

The Census Bureau funds most of the surveys. However, a number of surveys are paid for either fully or partially by other Federal Government agencies or private trade associations. A few surveys are mandated, but all are authorized by Title 13 of the United States Code.

RELIABILITY OF DATA

Survey error may result from several sources including the inability to obtain information about all cases in the survey, response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding the reported data, and other errors of collection, response, coverage, and estimation. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to these nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is the imputing of data for nonrespondents, for late reporters, and for data that fail logic edits. Missing figures are imputed based on period-to-period movements shown by reporting firms. A figure is considered to be an impute if the value was not directly reported on the questionnaire, directly derived from other reported items, directly available from supplemental sources, or obtained from the respondent during the analytical review phase. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are suppressed or footnoted. The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is assumed to be small. The degree of uncertainty regarding the accuracy of the published data increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

DATA REVISIONS

Statistics for previous years may be revised as the result of corrected figures from respondents, late reports for which imputations were originally made, or other corrections. Data that have been revised by more than 5 percent from previously published data are indicated by footnotes.

DISCLOSURE

The Census Bureau collects the CIR data under the authority of Title 13, United States Code, which specifies that the information can only be used for statistical purposes and cannot be published or released in any manner that would identify a person, household, or establishment. "D" indicates that data in the cell have been suppressed to avoid disclosure of information pertaining to individual companies.

EXPLANATION OF GENERAL TERMS

Capacity. The maximum quantity of a product that can be produced in a plant in 1 day if operating for 24 hours. Includes the capacity of idle plants until the plant is reported to be destroyed, dismantled, or abandoned.

Consumption. Materials used in producing or processing a product or otherwise removing the product from the inventory.

Exports. Includes all types of products shipped to foreign countries, or to agents or exporters for reshipment to foreign countries.

Gross shipments. The quantity or value of physical shipments from domestic establishments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale or use. Shipments of products purchased for resale are omitted. Shipments of products made under toll arrangements are included.

Interplant transfers. Shipments to other domestic plants within a company for further assembly, fabrication, or manufacture.

Inventories. The quantity or value of finished goods, work in progress, and materials on hand.

Machinery in place. The number of machines of a particular type in place as of a particular date whether the machinery was used for production, prototype, or sampling, or was idle. Machinery in place includes all machinery set up in operating positions.

Net receipts. Derived by subtracting the materials held at the end of the previous month from the sum of materials used during the current month.

Production. The total volume of products produced, including: products sold; products transferred or added to inventory after adjustments for breakage, shrinkage, and obsolescence, plus any other inventory adjustment; and products that undergo further manufacture at the same establishment.

Quantities produced and consumed. Quantities of each type of product produced by a company for internal consumption within that same company.

Quantity and value of new orders. The sales value of orders received during the current reporting period for products and services to be delivered immediately or at some future date. Also represents the net sales value of contract change documents that increase or decrease the sales value of the orders to which they are related, when the parties concerned are in substantial agreement as to the amount involved. Included as orders are only those that are supported by binding legal documents such as signed contracts or letter contracts.

Quantity and value of shipments. The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and

returns. Shipments to a company's own branches are assigned the same value as comparable appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

Stocks. Total quantity of ending finished inventory.

Unfilled orders (backlog). Calculated by adding net new orders and subtracting net sales from the backlog at the end of the preceding year.

HISTORICAL NOTE

Data on pharmaceutical preparations, except biologicals, have been collected by the Census Bureau since 1962. Historical data may be obtained from Current Industrial Reports available at your local Federal Depository Library.